

FIGURE 1

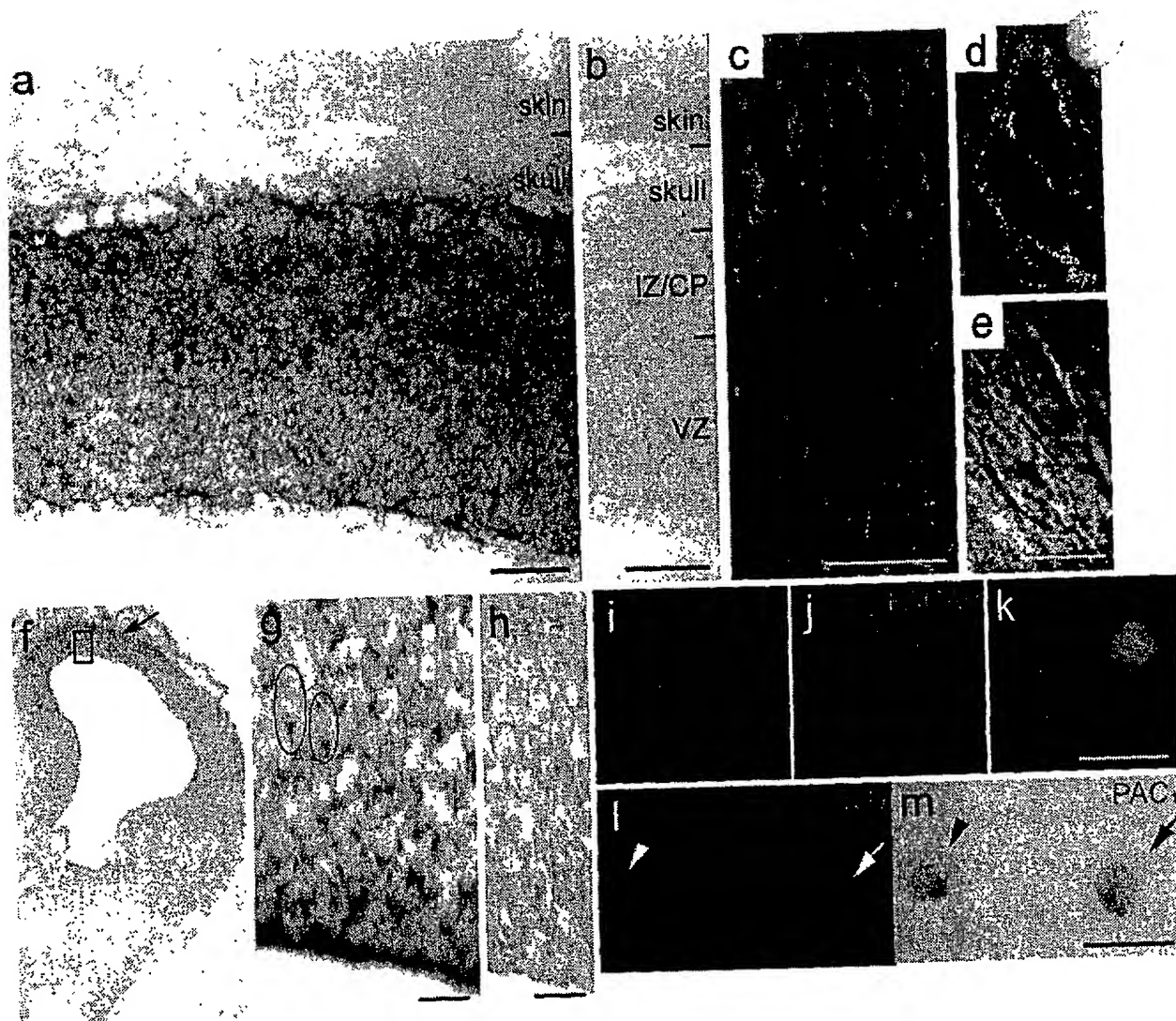


FIGURE 2

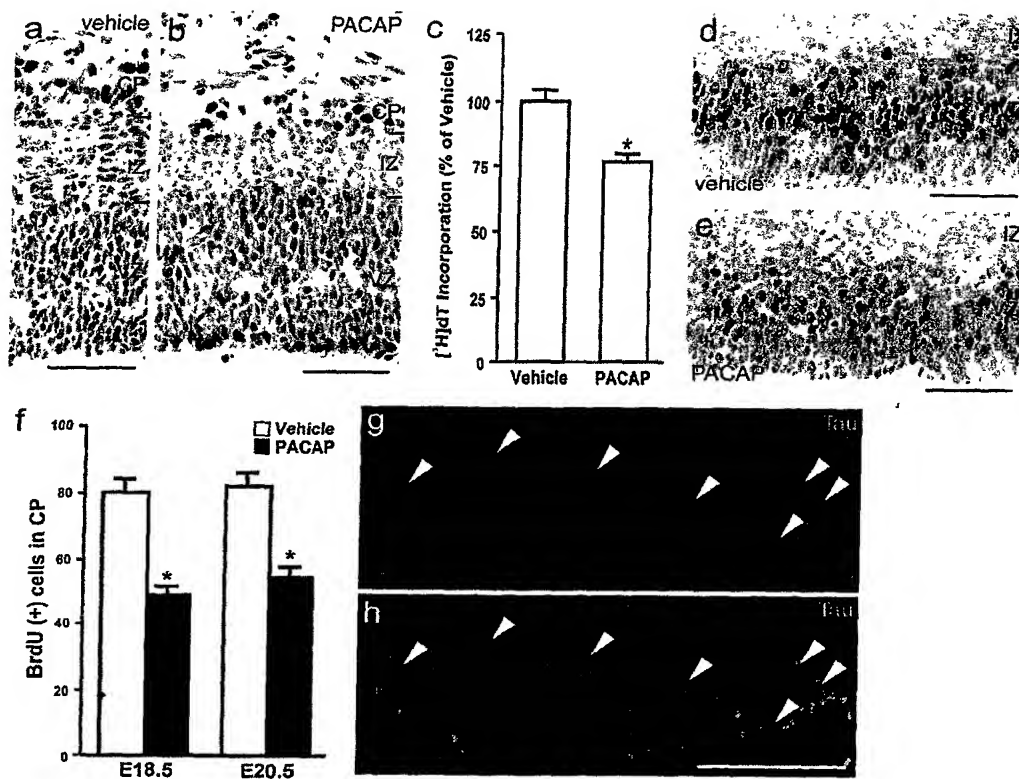


Fig. 3: Sequence Identifications

SEQ ID NO: 1 DNA sequence of PACAP

cactcggacgggatcttcacggacagctacagccgctaccggaaacaaatggctgtcaagaaatacttggcggccgtcctaggggaagag
gtataaacaaggggttaaaaacaaa

SEQ ID NO: 2 Amino Acid Sequence of PACAP

HSDGIFTDSYSRYRKQMAVKKYLA AVL GKRYKQ RVKNK

SEQ ID NO: 3 Amino Acid Sequence of Homo Sapiens PAC1 Receptor

MAGVVHVSLAAHCGACPWGRGRLRKGRAACKSAAQRHIGADLPLLSVGGQWCWPRS
VMAGVVHVSLAALLLLPMAPAMHSDCIFKKEQAMCLEKIQRANELMGFNDSSPGCPG
MWDNITCWKPAHVGEMVLVSCPELFRIFNPDQVWETETIGESDFGDSNSLDLSDMGVV
SRNCTEDGWSEPFPHYFDACGFDEYESETGDQDYIYLSVKALYTVGYSTSLVTLTTAM
VILCRFRKLHCTRNFHIMNLFVSFMLRAISVFIKDWILYAEQDSNHC FISTVECKAVMVF
FHYCVVSNYFWLFIEGLYLFTLLVETFFPERRYFYWYTIIGWGTPTVCVTVWATLRLYF
DDTGCWDMNDSTALWWVIKGPVVG SIMVNFVLFIGHVILVQKLQSPDMGGNESSIYLR
LARSTLLLIPLFGIHYTVFAFSPENVSKRERLVFELGLGSFQGFVVAVLYCFLNGEVQAEI
KRKWRSWKVNRYFAVDFKHRHPSLASSGVNGGTQLSILSKSSSQIRMSGLPADNLAT

Antagonists for PAC1 receptor

SEQ ID NO: 4 human or rat PACAP₆₋₃₈

Phe-Thr-Asp-Ser-Tyr-Ser-Arg-Tyr-Arg-Lys-Gln-Met-Ala-Val-Lys-Lys-Tyr-Leu-Ala-Ala-Val-
Leu-Gly-Lys-Arg-Tyr-Lys-Gln-Arg-Val-
Lys-Asn-Lys-NH₂

SEQ ID NO: 5 max.d.4

CDATCQFRKAIDDCQKQAHHSNVPGNSVFKECMKQKKKEFKAGK

2004722-0140

Agonists for PAC1 receptor

SEQ ID NO: 6 maxadilan

CDATCQFRKAIDDCQKQAHHSNVLQTSVQTTATFTSMDTSQLPGNSVFKECMKQKKKE
FKA

SEQ ID NO: 7 PACAP₂₇

HSDGIFTDSYSRYRKQMAVKKYLA AVL

SEQ ID NO: 8 VIP

HSDAVFTDNYTRLRKQMAVKKYLSILN

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